Form AD7 (revised March 2008)

SOLUTION SAMPLE INFORMATION

NCDA&CS Agronomic Division Plant/Waste/Solution Section
Mailing Address: 1040 Mail Service Center, Raleigh NC 27699-1040
Physical Address (UPS/FedEx): 4300 Reedy Creek Road, Raleigh NC 27607
Phone: (919) 733-2655 Web Address: www.ncagr.com/agronomi

FOR OFFICE USE ONLY
REPORT#

DATE REC'D
PAID

SAMPLE TYPE (circle one / see instructions)

Predictive ($5) **Diagnostic ($5)**

Research ($12) **Out of State ($25)**

SAMPLE INFORMATION

FARM ID

COUNTY (where collected)

SAMPLED BY **DATE**

PAYMENT (see fees for sample types above)
Check / money order payable to NCDA&CS

No. of Samples _____ Check ( )
Money Order ( )
Payment _____ Cash ( )
Escrow
Account Name_____

GROWER INFORMATION (please print)

LAST NAME FIRST NAME PHONE
(_ _ _) _ _ _ – _ _ _ _

ADDRESS

CITY STATE ZIP

GROWER E-MAIL

CONSULTANT/OTHER RECIPIENT

LAST NAME FIRST NAME PHONE
(_ _ _) _ _ _ – _ _ _ _

ADDRESS

CITY STATE ZIP

OTHER RECIPIENT E-MAIL

Results are available online. Please check this box ☐ if you do not need a printed report mailed to you.

LAB NUMBER (Leave blank)	SAMPLE ID	SOLN CODE	SAMPLE DESCRIPTION / COMMENTS	CORRESPONDING SAMPLE ID SOIL	PLANT	WASTE	DEPTH OR SIZE
1							
2							
3							
4							
5							
6							

SOLUTION USE CODES

Aquaculture

AS Source Water
AP Pond Water
AO Other *

Farm Pond

FP Fish Production/Recreation

* Indicate type of sample and use under Sample Description / Comments.

General Water Quality

QG Ground Water
QS Surface Water
QO Other *

Hydroponic Solution

HT Tomato
HC Cucumber
HL Lettuce
HH Herb
HO Other *

Irrigation Water

IW General
IO Overhead
IT Trickle

Livestock Water

LC Cattle
LH Horse
LS Swine
LO Other *

Nutrient Solution

NS General — Indicate target concentration under comments.
NT Tobacco
NO Other *
NE Saturated media extract
NL Pour-thru leachate

Poultry Water

PC Chicken
PD Duck
PT Turkey
PO Other *

Solution Source Water

SP Pesticide Solution
SH Hydroponic-Nutrient
ST Transplant Production
SO Other *

HOW TO FILL OUT THE INFORMATION FORM

Please complete this form in as much detail as possible. Information in shaded areas is critical for optimum diagnosis and recommendations.

SAMPLE TYPE — ***Predictive*** **(fee $5 for N.C. residents)** analysis is a routine check of mineral content plus interpretation and general recommendations.

Diagnostic **(fee $5 for N.C. residents)** analysis helps solve suspected problems and provides detailed interpretation and recommendations.

Research **(fee $12)** is for samples submitted in connection with an approved cooperative research agreement.

Out of state **(fee $25)** is for samples submitted by non–North Carolina residents.

SAMPLE INFORMATION — Provide farm ID (if applicable), county where sample was collected, name of the collector and date of collection. Calculate the total fee based on sample type and number of samples. Indicate method of payment. Test results are not released unless payment is received in full.

GROWER INFORMATION — Complete contact information is required: name, phone with area code, address and e-mail.

SAMPLE ID — Provide sample identification (no more than six digits or letters). Put the same ID on the sample container.

SOLN CODE — Identify intended use of the solution being sampled by entering one of the solution-use codes found on the front of the information form: e.g., PC is the for well water used for chicken production.

SAMPLE DESCRIPTION / COMMENTS — Include descriptive information about the sample, especially if you are not sure which solution-use code to use. A brief statement of problem or purpose in sampling is required for all diagnostic samples.

CORRESPONDING SAMPLE ID — List the IDs of any matching soil, plant or waste samples submitted.

DEPTH OR SIZE — Indicate depth of wells or size of surface water reservoir sampled.

TIPS ON TAKING WATER SAMPLES

A laboratory analysis is no better than the sample submitted. The sample should represent the conditions under which the solution is being used. When diagnosing a problem, you may have to take samples representing several processing stages or time periods: e.g., irrigation source water; nutrient solution; or pour-thru leachate.

SAMPLE CONTAINERS — Sample containers should be clean and made of materials that will not contaminate the solution. A one-pint plastic bottle is recommended. When using soft-drink or other containers, please remove the original product label.

SAMPLING TECHNIQUES — Before filling, rinse the sample container thoroughly with the solution being collected. Fill the container and cap tightly.

WELLS — Allow water to run for at least five to ten minutes before collecting a sample. For new wells that recently have been chemically treated, allow the water to run for one to two hours before sampling.

DISTRIBUTION SYSTEMS — Flush lines sufficiently to ensure that the sample is representative of the supply solution.

RIVERS OR STREAMS — Sample from the middle of the stream at mid-depth. Choose frequency of sampling based on local needs and conditions.

LAKES OR RESERVOIRS — Choose location, depth and frequency of sampling depending on local conditions and the purpose of the investigation. Avoid surface or bottom residues.

HANDLING AND STORAGE — If possible, avoid sample agitation and prolonged exposure to air. Transfer samples to the laboratory as soon as possible. Label container with the same sample ID indicated on the information form. If samples are stored for any length of time, they should be refrigerated.